

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

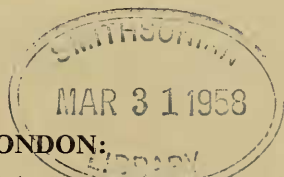
*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**  
Secretary to the Commission

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## **DIRECTION 87**

Completion and, in part, correction of the entries on the *Official List of Generic Names in Zoology* in regard to the generic names *Cottus* Linnaeus, 1758, and *Conger* Oken, 1817 (Class Pisces) made by the Rulings given respectively in *Opinions* 77 and 93 published in the period up to the end of 1936 and matters incidental thereto



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954).

## DIRECTION 87

COMPLETION AND, IN PART, CORRECTION OF THE ENTRIES ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN REGARD TO THE GENERIC NAMES "COTTUS" LINNAEUS, 1758, AND "CONGER" OKEN, 1817 (CLASS PISCES) MADE BY THE RULINGS GIVEN RESPECTIVELY IN "OPINIONS" 77 AND 93 PUBLISHED IN THE PERIOD UP TO THE END OF 1936 AND MATTERS INCIDENTAL THERETO

**RULING** :—(1) The entry relating to the generic name *Cottus* Linnaeus, 1758, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 77* is hereby completed by the insertion therein of a statement that the type species (*Cottus gobio* Linnaeus, 1758) of the genus so named was determined as such "by selection by Girard (C.F.) (1850)".

(2) The entry relating to the non-existent name *Conger* Cuvier (G.L.C.F.D.), 1817, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 93* is hereby deleted therefrom.

(3) The following entry is hereby made on the *Official List of Generic Names in Zoology* in the place thereon rendered vacant by the removal of the entry specified in (2) above :—

*Conger* Oken, 1817 (gender : masculine) (type species, by absolute tautonymy : *Muraena conger* Linnaeus, 1758)

(4) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *gobio* Linnaeus, 1758, as published in the combination *Cottus gobio* (specific name of type species of *Cottus* Linnaeus, 1758) (Name No. 1482) ;
- (b) *scorpius* Linnaeus, 1758, as published in the combination *Cottus scorpius* (Name No. 1483) ;
- (c) *conger* Linnaeus, 1758, as published in the combination *Muraena conger* (specific name of type species of *Conger* Oken, 1817) (Name No. 1484).

(5) The under-mentioned generic names or reputed generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Conger* Schaeffer (J.C.), 1760 (a name published in a work rejected as being non-binominal by the Ruling given in *Opinion* 345) (Name No. 1127) ;
- (b) *Conger* Houttuyn, 1764 (a cheironym, having been published by Houttuyn only as a specific name) (Name No. 1128) ;
- (c) *Conger* Walbaum, 1792 (a name published in a work rejected as being non-binominal by the Ruling given in *Opinion* 21) (Name No. 1129) ;
- (d) *Conger* Cuvier (G.L.C.F.D.), 1817 (a cheironym) (Name No. 1130) ;
- (e) *Leptocephalus* Gronovius, 1763 (a name published in a work rejected as being non-binominal by the Ruling given in *Opinion* 261) (Name No. 1131) ;
- (f) *Leptocephalus* Scopoli, 1777 (a name suppressed under the Plenary Powers for the purposes of the Law of Priority but not for those of the

Homonymy by the Ruling given in *Opinion 93*) (Name No. 1132) ;

(g) *Leptocephalus* Gmelin (J.F.), [1789] (a junior homonym of *Leptocephalus* Scopoli, 1777) (Name No. 1133) ;

(h) *Leptocephalus* Cuvier (G.L.C.F.D.), [1797] (a junior homonym of *Leptocephalus* Scopoli, 1777) (Name No. 1134) ;

(1) *Leptocephalus* Basilewsky, 1855 (a junior homonym of *Leptocephalus* Scopoli, 1777) (Name No. 1135) ;

(6) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Number 211 :—

COTTIDAE (correction of COTTINI) Bonaparte, [1832] (type genus : *Cottus* Linnaeus, 1758).

(7) The under-mentioned family-group name is hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name No. 252 :—

COTTINI Bonaparte, [1832] (type genus : *Cottus* Linnaeus, 1758) (an Invalid Original Spelling for COTTIDAE but available for a family-group taxon belonging to a category not having a prescribed termination).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* is concerned with the question of the completion and, in part, correction of the entries on the *Official*

*List of Generic Names in Zoology* in regard to the generic names *Cottus* and *Conger* made by the Rulings given respectively in *Opinions* 77 and 93 published in the period up to the end of 1936 and matters incidental thereto. The action taken in the present *Direction* forms part of the concluding stage of the preparations for the publication of the foregoing *Official List* in book-form. The paper on which the decisions taken by the Commission in the present case were based was submitted by the Secretary on 16th August 1957 and was as follows :—

**Proposed completion and, in part, correction of the entries made on the “Official List of Generic Names in Zoology” in regard to the generic names “Cottus” and “Conger” (Class Pisces) by the Rulings given respectively in “Opinions” 77 and 93 published in the period prior to the end of 1936 and matters incidental thereto**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The purpose of the present paper is to place before the International Commission on Zoological Nomenclature particulars relating to the names of two genera in the Class Pisces which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 but which, owing to certain difficulties which had been brought to light by the survey carried out by this Office, were postponed for further consideration at the time when in 1956 the International Commission examined in detail the entries in regard to the names of genera of fishes made on the *Official List* during the above period (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 1(D) : 365—388).

2. The names concerned are : (1) *Cottus* Linnaeus, 1758, which was placed on the *Official List* by the Ruling given in *Opinion* 77 (1922, *Smithson. misc. Coll.* 73 (No. 1) : 71—73) ; (2) *Conger* attributed to Cuvier, 1817, placed on the *Official List* by the Ruling given in *Opinion* 93 (1926, *Smithson. misc. Coll.* 73 (No. 4) : 5—11). The problems arising in connection with these names are discussed separately below.

**(1) The generic name “Cottus” Linnaeus,, 1758**

3. The generic name *Cottus* Linnaeus, 1758 (*Syst. Nat.* (ed. 10)1 : 264) was established without a designated or indicated type species and with six included nominal species. Of these only the fifth and sixth enter into the consideration of the present case. These species were *Cottus scorpius* Linnaeus (: 265) and *Cottus gobio* Linnaeus (: 265).

4. At the time when the generic name *Cottus* Linnaeus was placed on the *Official List* it was stated that the type species of the genus



so named was *Cottus gobio* Linnaeus but no particulars were given as to how that species had acquired that status beyond the use of the formula "tsd." [=type species by subsequent designation].

5. The problem which required consideration in connection with the preparation of the *Official List* for publication in book-form was the determination of the place where *Cottus gobio* Linnaeus or some other of the originally included species had been first selected as the type species of the genus *Cottus* Linnaeus. An examination of the literature left no doubt that the type selection relied upon by the Commission in *Opinion 77* was that made by Jordan (D.S.) & Evermann (B.W.) in 1917 (*Gen. Fish.* (1) : 12), for of these authors Jordan was himself at that time a member of the International Commission and it was natural that the *Opinion* concerned should reflect his views. Unfortunately, however, many years earlier Jordan himself, jointly with Gilbert, had already selected *Cottus scorpius* Linnaeus to be the type species of this genus (Jordan & Gilbert, 1888, *Bull. U.S. nat. Mus.* 16 : 700). When in 1917 Jordan selected *Cottus gobio* to be the type species of the genus *Cottus*, he explained that, when in 1888 he (with Gilbert) had so selected *Cottus scorpius* Linnaeus, he had relied upon a "restriction" of the genus made by Putnam in 1863 (*Bull. Mus. comp. Zool.* 1(1) : 2—3) but that he now considered that Putnam's action was invalid, having been anticipated by a "restriction" in favour of *Cottus gobio* made by Cuvier & Valenciennes in [1830] (*Hist. Nat. Poiss.* 4 : 142). The argument relied upon by Jordan in this matter dates from the time when it was believed that under the so-called "Law of Elimination" it was possible to determine the type species of a genus by a series of "restrictions". This principle was not, however, accepted when the present *Règles* were adopted at Berlin in 1901 by the Fourth International Congress of Zoology and the arguments advanced by Jordan, founded on these so-called "restrictions", are therefore invalid. Since neither Cuvier in Cuvier & Valenciennes ([1830]) nor Putnam (1863) selected a type species for the genus *Cottus*, the selection by Jordan & Gilbert (1888) of *Cottus scorpius* Linnaeus as the type species of *Cottus* Linnaeus would thus hold the field unless it were possible to find an earlier valid selection by some other author.

6. The earlier literature has been examined from this point of view. This has brought to light two papers which require to be considered in this connection, both of them by Girard (C.F.). The first of these papers (1849, *Proc. Amer. Assn. Adv. Sci.* (2nd Meeting) : 409—411) was a monograph of the freshwater *Cottus* of the United States, in which Girard divided the genus *Cottus* of earlier authors into two groups, namely, marine and freshwater. On page 410 Girard wrote as follows :—"The primitive type of the genus being *Cottus gobio* of Europe, it will appear very natural that the name of *Cottus* should be retained for the analogous species. I therefore propose the generic name of *Acanthocottus* for the marine species". It seems very doubtful

whether the foregoing statement can be taken as constituting a valid selection for nomenclatorial purposes of *Cottus gobio* Linnaeus as the type species of the genus *Cottus* and I conclude that it should not be so regarded. However, in the following year (1850, *Proc. Boston Soc. nat. Hist.* 3 : 184) in an expanded paper on the genus *Cottus*, Girard, when discussing the treatment of that genus by Artedi, stated definitely that "the *C. gobio* is the type". This is unquestionably a valid selection under Rule (g) in Article 30 of the *Règles* of the above species as the type species of the genus *Cottus* Linnaeus.

7. From the particulars given above we see that, although in *Opinion 77* the Commission relied upon an invalid type selection for the genus *Cottus* Linnaeus, the species (*Cottus gobio* Linnaeus) which it then specified as the type species is in fact the type species in virtue of an older type selection (that by Girard, 1850), of the existence of which it was at that time unaware. Thus, very fortunately the type species specified by the Commission for this genus is found to be the species currently accepted as such. So far as concerns the actual entry on the *Official List* regarding the generic name *Cottus* Linnaeus, 1758, the only action that is now required is therefore that the Commission should insert on the *Official List* the words "by selection by Girard (C.F.) (1850)" as indicating the method by which the type species of this genus was determined under Article 30 of the *Règles*.

8. In addition, supplementary action of various kinds is required. First, the specific name *gobio* Linnaeus, 1758, as published in the combination *Cottus gobio*, should, as the specific name for the type species of the genus *Cottus* Linnaeus, now be placed on the *Official List of Specific Names in Zoology*. Second, as the valid name for a species entering into the present case, the specific name *scorpius* Linnaeus, 1758, as published in the combination *Cottus scorpius*, should also be placed on the above *Official List*. Finally the family-group name COTTIDAE (correction of COTTINI) Bonaparte, [1832] (*Saggio Distrib. met. Anim. vert.* : 90, 103) should be placed on the *Official List of Family-Group Names in Zoology*, the Invalid Original Spelling COTTINI being at the same time placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*<sup>1</sup>.

<sup>1</sup> Subsequent to the submission of the present paper Professor J. Chester Bradley suggested that, while, as an incorrectly formed family name, the name COTTINI Bonaparte, [1832], should be placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*, as proposed, there remained the possibility that it might be desired to use the name in this form for a taxon belonging to some category within the family-group for example, a tribe, for which no prescribed termination had been established by the International Congress of Zoology. In a reply dated 16th September 1957 Mr. Hemming agreed that this was a point which had not been considered at the time when the proposal was drawn up and he undertook to amend the proposal so as to secure that it should be made clear that the above name remained an available name for the limited purposes specified above.



## (2) The generic name "Conger" as attributed to Cuvier, 1817

9. The generic name *Conger* attributed to "Cuvier, 1817" was placed on the *Official List in Opinion 93* with *Muraena conger* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 245) as type species. No bibliographical reference was given for the generic name *Conger* Cuvier, 1817, and no particulars were provided as to how *Muraena conger* Linnaeus became the type species of this genus.

10. It is evident that the authors were under the belief that the name *Conger* was published by Cuvier in 1817 in the *Règne Anim.* (2 : 231). Reference however to that work showed that in it Cuvier did not apply the Latin name *Conger* to this genus, referring to it consistently under the vernacular (French) name "Les Congres". Thus, the name *Conger* Cuvier, 1817, placed on the *Official List in Opinion 93* is a phantom, possessing no existence in zoological nomenclature.

11. In the circumstances described above it became necessary to determine where in fact the generic name *Conger* was first validly published and to what author it should be attributed. The investigation undertaken in this matter showed that the name *Conger* apparently originated with Klein in the pre-Linnean period and that, although there are several usages—or reputed usages—which have to be considered, it had not been validly published as a generic name prior to the appearance in 1817 of Cuvier's *Règne Anim.* These names or usages, all of which should now be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*, were the following:—

- (a) *Conger* Schaeffer (J.C.), 1760, *Epistola Reg.-Boruss. Soc. Litt. Duisberg Stud. ichthyol. Meth.* : 20

This name is invalid, for Schaeffer was a non-binominal author. The title of his *Epistola* has already been placed on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* by the Ruling given in *Opinion 345* (1955, *Ops. Decls. int. Comm. zool. Nomencl.* 10 : 353—388).

- (b) *Conger* Houttuyn, 1764, *Nat. Hist.* 7(1) : 103

This name is a cheironym, having been used by Houttuyn not as a generic name but as a specific name. That this was so was pointed out by Jordan & Evermann in 1919 in their "Additions & Corrections to Part 1" of their *Genera of Fishes*.

- (c) *Conger* Walbaum, 1792, *Artedi Ichth.* (ed. 2) 3 : 580

This name is invalid, Walbaum's edition of this non-binominal work having been rejected for nomenclatorial purposes by the

Ruling given in *Opinion* 21 (1910, *Smithson. Publ.* 1938 : 51—52).

12. Although, as we have seen, the generic name *Conger* was not published by Cuvier in 1817, that name was in fact validly published in that year. The name so published was *Conger* Oken, 1817 (*Isis* (Oken) 1817 : 1181). In this paper in which Oken gave in tabular form a comparison between Cuvier's system of classification and that adopted by himself, the generic name *Conger* was introduced in due form for the genus which Cuvier called "Les Congres". The name *Conger* Oken is thus a name firmly based upon the indication provided by Cuvier for "Les Congres" in the *Règne Anim.* Among the species placed by Cuvier in "Les Congres" was "Le Congre commun (Mur. Conger L.)", i.e. *Muraena conger* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 245). That species is therefore the type species of *Conger* Oken, 1817, by absolute tautonymy. Before we leave this part of the subject, two points are of sufficient interest to be placed on record :— (1) The application on which *Opinion* 93 was based was submitted by David Starr Jordan who was therefore responsible for the attribution of the name *Conger* to "Cuvier, 1817". In this connection the following passage in Part 1 of his (and Evermann's) *Genera of Fishes* published in 1917 is of special interest, for it leaves no reasonable doubt that Jordan was well aware that Cuvier had not published the name *Conger* in due Latin form but that he was of the opinion that, having regard to the way in which it was published shortly afterwards by Oken, it should be treated as being attributable not to that author but to Cuvier :—"In a number of cases the genera in this work receive French names only. But to all these, Latin forms were immediately supplied in the same year, 1817, by Oken in the *Isis*". (2) The cheironym *Conger* Cuvier, 1817, did not even find a mention in Neave's *Nomencl. zool.* (1 : 816), where, after referring to the invalid uses by Schaeffer, Houttuyn and Walbaum (paragraph 11 above) Neave attributed this name to Oken.

13. In the light of the circumstances described in the preceding paragraphs it is evident that what is required is that the entry relating to the cheironym *Conger* Cuvier, 1817, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 93 should now be deleted and that in the vacant space so created the following revised entry should be inserted :—

*Conger* Oken, 1817 (gender : masculine) (type species, by absolute tautonymy : *Muraena conger* Linnaeus, 1758)

14. Simultaneously with the action described above, the cheironym *Conger* Cuvier, 1817, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. At the same time the specific name *conger* Linnaeus, 1758, as published in the combination *Muraena*

*conger*, should, as the specific name of the type species of *Conger* Oken, 1817, be placed on the *Official List of Specific Names in Zoology*.

15. At this point it is necessary to recall that in *Opinion* 93 the Commission used its Plenary Powers when dealing with another aspect of the present case. This was for the purpose of suppressing the generic name *Leptocephalus* Scopoli, 1777, a name which was applied to the larval form of the Conger Eel and which had priority over the generic name *Conger*. The names concerned, all of which should now be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*, are the following:—

(a) *Leptocephalus* Gronovius, 1763, *Zoophylac. gronov.* 1 : 135

This name is invalid, having been published in a non-binominal work, which has been rejected for nomenclatorial purposes by the Ruling given in *Opinion* 261 (1954, *Ops. Decls. int. Comm. zool. Nomencl.* 5 : 281—296).

(b) *Leptocephalus* Scopoli, 1777, *Introd. Hist. nat.* : 453

This name was suppressed under the Plenary Powers for the purposes of the Law of Priority but not for those of the Law of Homonymy by the Ruling given in *Opinion* 93.

(c) *Leptocephalus* Gmelin (J.F.) [1789], in Linnaeus, *Syst. Nat.* (ed. 13) 1 (3) : 1130

This name is invalid as a junior homonym of *Leptocephalus* Scopoli, 1777.

(d) *Leptocephalus* Cuvier (G.L.C.F.D.), [1797], *Tabl. élém. Hist. nat. Anim.* : 329

This name is invalid as a junior homonym of *Leptocephalus* Scopoli, 1777.

(e) *Leptocephalus* Basilewsky, 1855, *Nouv. Mém. Soc. imp. Nat. Moscou* 10 : 234

This name is invalid as a junior homonym of *Leptocephalus* Scopoli, 1777.

16. No family-group-name problem arises in connection with the generic name *Conger* Oken, 1817, the genus so named being currently placed in the family MURAENIDAE.

### (3) Recommendations

17. In the light of the particulars given in the present paper the International Commission on Zoological Nomenclature is recommended

to regularise the position of the generic names *Cottus* and *Conger* on the *Official List of Generic Names in Zoology* by taking the following action, that is, that it should :—

(1) complete the entry relating to the generic name *Cottus* Linnaeus, 1758, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 77* by the insertion of a statement that its type species (*Cottus gobio* Linnaeus, 1758) was determined as such “ by selection by Girard (C.F.) (1850) ” (paragraph 7) ;

(2) delete from the *Official List of Generic Names in Zoology* the entry relating to the non-existent name *Conger* Cuvier, 1817, made by the Ruling given in *Opinion 93* and in its place insert the following revised entry (paragraph 13) :—

*Conger* Oken, 1817 (gender: masculine) (type species, by absolute tautonymy : *Muraena conger* Linnaeus, 1758)

(3) place the under-mentioned specific names on the *Official List of Specific Names in Zoology* :—

(a) *gobio* Linnaeus, 1758, as published in the combination *Cottus gobio* (specific name of type species of *Cottus* Linnaeus, 1758) (paragraph 8) ;

(b) *scorpius* Linnaeus, 1758, as published in the combination *Cottus scorpius* (paragraph 8) ;

(c) *conger* Linnaeus, 1758, as published in the combination *Muraena conger* (specific name of type species of *Conger* Oken, 1817) (paragraph 14) ;

(4) place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology*:—

(a) the three generic names consisting of the word *Conger* specified in paragraph 11 above, the entries so made to be endorsed in each case with a statement that the name in question is invalid for the reasons severally specified in the said paragraph :

(b) *Conger* Cuvier (G.L.C.F.D.), 1817 (a cheironym) (paragraph 14) ;

(c) the five generic names consisting of the word *Leptocephalus* specified in paragraph 15 above, the entries so made to be endorsed in each case with a statement that the name in question is invalid for the reasons severally specified in the said paragraph ;

- (5) place the under-mentioned family-group name on the *Official List of Family-Group-Names in Zoology* (paragraph 8) :—

COTTIDAE (correction of COTTINI) Bonaparte, [1832] (type genus : *Cottus* Linnaeus, 1758)

- (6) place the under-mentioned family-group name on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* (paragraph 8) ;

COTTINI Bonaparte, [1832] (an Invalid Original Spelling for COTTIDAE).

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper the question of completing and, in part, correcting the entries on the *Official List* relating to the generic names *Cottus* and *Conger* was allotted the Registered Number Z.N.(S.) 1171.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(57)13 :** On 26th August 1957 a Voting Paper (V.P.(O.M.)(57)13) was issued in which each Member of the Commission was asked (1) to state whether he agreed that "in accordance with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to the end of 1936, and other matters on which action is required in order to complete, to clarify, or to correct Rulings given in *Opinions* rendered in the foregoing period, the action in regard to the generic names *Cottus* and *Conger* (Class Pisces) specified in paragraph 17 of the paper bearing the Registered No. Z.N.(S.) 1171 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the



present *Direction*] be taken as there recommended" and (2), if he did not so agree as regards any given item, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 26th September 1957.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(57)13 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(57)13 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-two (22) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Riley ; Vokes ; Mertens ; Miller ; Hering ; Esaki ; Stoll ; do Amaral ; Key ; Tortonese ; Cabrera ; Hemming ; Prantl ; Dymond ; Bradley (J.C.) ; Jaczewski ; Kühnelt ; Bodenheimer ; Bonnet ; Mayr ; Boschma ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Sylvester-Bradley ;

(c) *Voting Papers not returned, two (2) :*

Hankó ; Lemche ;

**6. Declaration of Result of Vote :** On 27th September 1957 Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(57)13, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present " Direction " :** On 12th November 1957, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(57)13.

**8. Original References :** The following are the original references for the generic and specific names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Conger* Schaeffer (J.C.), 1760, *Epistola Stud. ichthyol. Meth.* : 20

*Conger* Houttuyn, 1764, *Nat. Hist.* 7 (1) : 103

*Conger* Walbaum, 1792, *Artedi Ichth.* (ed. 2) 3 : 580

*Conger* Cuvier (G.L.C.F.D.), 1817, *Règne Anim.* 2 : 231

*conger*, *Muraena*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 245

*gobio*, *Cottus*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 265

*Leptocephalus* Gronovius, 1763, *Zoophylac. gronov.* 1 : 135

*Leptocephalus* Scopoli, 1777, *Introd. Hist. nat.* : 453

*Leptocephalus* Gmelin (J.F.), [1789], in Linnaeus, *Syst. Nat.* (ed. 13) 1 (3) : 1130

*Leptocephalus* Cuvier (G.L.C.F.D.), [1797], *Tabl. elem. Hist. nat. Anim.* 329

*Leptocephalus* Basilewsky, 1855, *Nouv. Mém. Soc. imp. Nat. Moscou* 10 : 234

*scorpius*, *Cottus*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 265

9. The following is the reference for the selection of a type species for a nominal genus specified in the Ruling given in the present *Direction* :—

For *Cottus* Linnaeus, 1758                      Girard (C.F.), 1850, *Proc. Boston Soc. nat. Hist.* 3 : 184

10. The following are the original references for family-group names placed on the *Official List* and *Official Index* respectively of names for taxa of the family-group category :—

COTTIDAE (correction of COTTINI) Bonaparte, [1832], *Saggio Distrib. met. Anim. vert.* : 90, 103

COTTINI Bonaparte, [1832] (an Invalid Original Spelling for COTTIDAE).

11. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

12. The present *Direction* shall be known as *Direction Eighty-Seven (87)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twelfth day of November, Nineteen Hundred and Fifty-Seven.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**